



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of: Walther et al.

Attorney Docket No.: ICYTP011

Application No.: 09/927,321

Examiner: Not Yet Assigned

Filed: August 10, 2001

Group: 2218

Title: BASECALLING SYSTEM AND
PROTOCOL

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CERTIFICATE OF MAILING

I hereby certify that this correspondence is being deposited with the United States Postal Service as First Class Mail to: Commissioner for Patents, Washington, DC 20231 on February 26, 2002.

Signed: _____

Agnes F. Spence

**INFORMATION DISCLOSURE STATEMENT
37 CFR §§1.56 AND 1.97(b)**

Commissioner for Patents
Washington, DC 20231

Dear Sir:

The references listed in the attached PTO Form 1449, copies of which are attached, may be material to examination of the above-identified patent application. Applicants submit these references in compliance with their duty of disclosure pursuant to 37 CFR §§1.56 and 1.97. The Examiner is requested to make these references of official record in this application.

This Information Disclosure Statement is not to be construed as a representation that a search has been made, that additional information material to the examination of this application does not exist, or that these references indeed constitute prior art.

This Information Disclosure Statement is: (i) filed within three (3) months of the filing date of the above-referenced application, (ii) believed to be filed before the mailing date of a first Office Action on the merits, or (iii) believed to be filed before the mailing of a first Office Action after the filing of a Request for Continued Examination under §1.114. Accordingly, it is believed that no fees are due in connection with the filing of this Information Disclosure

Statement. However, if it is determined that any fees are due, the Commissioner is hereby authorized to charge such fees to Deposit Account 500388 (Order No. ICYTP011).

Respectfully submitted,

BEYER WEAVER & THOMAS, LLP

A handwritten signature in black ink, appearing to read "Lauren L. Stevens", followed by a long horizontal flourish.

Lauren L. Stevens, Ph.D.

Registration No. 36,691

P.O. Box 778
Berkeley, CA 94704-0778
(650) 961-8300



Form 1449 (Modified) Information Disclosure Statement By Applicant (Use Several Sheets if Necessary)	Atty. Docket No. 09/927,321	Application No.: 09/927,321
	Applicant: Walther et al. Filing Date 8/10/01	Group 2218

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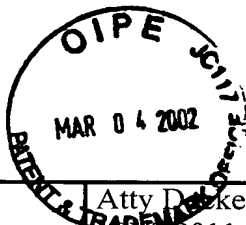
U.S. Patent Documents

Examiner Initial	No.	Patent No.	Date	Patentee	Class	Sub-class	Filing Date
	A	5,502,773	3/26/96	Tibbetts et al.	382	129	7/6/93
	B	5,853,979	12/29/98	Green et al.	435	5	6/30/95
	C	5,916,747	6/29/99	Gilchrist et al.	435	6	6/27/96
	D	6,043,036	3/28/00	McCormick et al.	435	6	11/24/97
	E	6,090,550	7/18/00	Collinge et al.	435	6	12/22/95
	F	6,236,944	5/22/01	Miller et al.	702	19	4/14/99
	G	6,228,593	5/8/01	Lipshutz et al.	435	6	1/14/00
	H	6,260,034	7/10/01	Björkesten	706	47	5/27/98
	I	6,208,941	3/27/01	Marks	702	20	9/16/97

Other Documents

Examiner Initial	No.	Author, Title, Date, Place (e.g. Journal) of Publication
	J	Ewing et al., "Base-Calling of Automated Sequencer Traces Using <i>Phred</i> . I Accuracy Assessment", Genome Research, Vol. 8, pp 175-185, 1998.
	K	Ewing et al., "Base-Calling of Automated Sequencer Traces Using <i>Phred</i> . II Error Probabilities", Genome Research, Vol. 8, pp 186-194, 1998.
	L	Ives et al., "An Automated Film Reader for DNA Sequencing Based on Homomorphic Deconvolution", IEEE Transaction on Biochemical Engineering, Vol. 41, No.6, pp 509-519, June 1994.
	M	Walther, et al., "Basecalling with Lifetrace", Genome Research, Vol. 11, pp 875-888, 2001.
Examiner		Date Considered

Examiner: Initial citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.



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U.S. Patent Documents

Examiner Initial	No.	Patent No.	Date	Patentee	Class	Sub-class	Filing Date
	N	5,365,455	11/15/94	Tibbetts et al.	G06G	7/58	9/20/91
	O	5,273,632	12/28/93	Stockham et al.	B01D	57/02	11/19/92

Foreign Patent or Published Foreign Patent Application

Examiner Initial	No.	Document No.	Publication Date	Country or Patent Office	Class	Sub-class	Translation	
							Yes	No
	P	WO 96/36872	21 Nov. 96	PCT	G01N	27/44	N/A	
	Q	WO 98/11258	19 Mar. 98	PCT	C12Q	1/68	N/A	
	R	WO 96/35810	14 Nov. 96	PCT	C12Q	1/68	N/A	
	S	WO 98/00708	8 Jan. 98	PCT	G01N	27/447	N/A	

Other Documents

Examiner Initial	No.	Author, Title, Date, Place (e.g. Journal) of Publication
	T	Giddings et al., "An adaptive object oriented strategy for base calling in DNA sequence analysis", Nucleic Acids Research, 1993, Vol. 21, No. 19, pp 4530-4540.
	U	Richterich, P., "Estimation of Errors in "Raw" DNA Sequences: A Validation Study", Genome Research, Vol. 8, 1998, pp 251-259.
	V	Altshuler et al., "An SNP map of the human genome generated by reduced representation shotgun sequencing", Nature, Vol. 407, 28 Sept. 2000, pp 513-516.
	W	Buetow et al., "Reliable identification of large numbers of candidate SNPs from public EST data", Nature Genetics, Vol. 21, March 1999, pp 323-325.
	X	Giddings et al., "A Software System for Data Analysis in Automated DNA Sequencing", Genome Research, Vol. 8, pp 644-665, 1998.
	Y	Golden et al., "Pattern Recognition for Automated DNA Sequencing: I. On-line Signal Conditioning and Feature Extracting for Basecalling", Proceedings: First International Conference on Intelligent Systems for Molecular Biology, (ISMB-93), pp 136-144.
Examiner		Date Considered

Examiner: Initial citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.